VIDEO OUTPUT PENTODE

EL821

Video output pentode having a high mutual conductance, particularly suitable for use in high definition television equipment.

HEATER

V_h	6.3	V
I_h	750	mA

CAPACITANCES (measured without an external shield)

c_{in}	14	pF
c_{out}	5.0	pF
c_{a-g1}	$<$250	mpF
c_{h-k}	7.0	pF

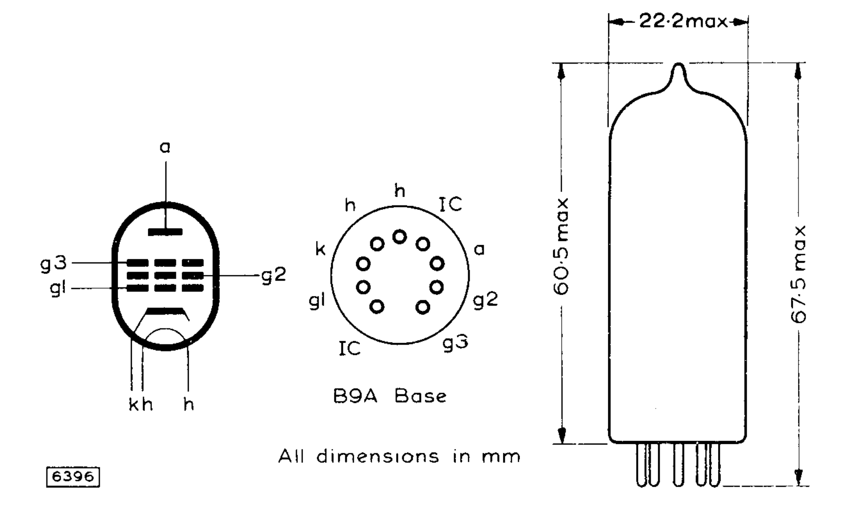
CHARACTERISTICS

V_a	250	250	V
V_{g3}	0	0	V
V_{g2}	200	250	V
V_{g1}	−2.5	−4.5	V
I_a	40	40	mA
I_{g2}	6.5	6.0	mA
g_m	13	11	mA/V
r_a	60	50	kΩ
μ_{g1-g2}	26	26	
*T_{bulb}	203	205	°C

*At 20°C ambient, in free air at normal atmospheric pressure and without external screening can.

LIMITING VALUES

$V_{a(b)}$ max.	550	V
V_a max.	275	V
p_a max.	12	W
$V_{g2(b)}$ max.	550	V
V_{g2} max.	275	V
p_{g2} max.	2.5	W
I_k max.	60	mA
R_{g1-k} max. (cathode bias)	220	kΩ
R_{g1-k} max. (fixed bias)	100	kΩ
V_{h-k} max.	90	V
T_{bulb} max.	250	°C


a
g3
gl
g2
kh
h
h
h
IC
k
a
gl
g2
IC
g3
B9A Base
All dimensions in mm
6396
22·2max
60·5max
67·5max